

| L Number | Hits  | Search Text  | DB  | Time stamp       |
|----------|-------|--|---|------------------|
| -        | 4     | ((("4453803") or ("5194297") or ("5254832") or ("5170890"))).PN.   | USPAT   | 2003/02/27 16:02 |
| -        | 15817 | particle\$1 near deposit\$3  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2001/11/20 15:21 |
| -        | 5483  | particle\$1 near deposit\$3.ab.  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2001/11/20 15:22 |
| -        | 112   | laser with guide\$1 with (particle\$1)   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2001/11/20 15:26 |
| -        | 153   | laser with guide\$1 with (particle\$1 drop\$4)   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2001/11/20 15:44 |
| -        | 13    | laser with guide\$1 with (particle\$1 drop\$4) same (optical near fiber)   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2001/11/21 17:44 |
| -        | 4151  | ((385/125,147) or (427/180) or (118/308) or (219/121.84)).CCLS.  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2001/11/20 17:13 |
| -        | 6     | (laser with guide\$1 with (particle\$1 drop\$4)) and (((("385/125,147") or ("427/180") or ("118/308") or ("219/121.84"))).CCLS.) | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2001/11/20 17:28 |
| -        | 347   | 385/125.ccls.  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2001/11/20 17:29 |
| -        | 148   | 385/125.ccls. and laser  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2001/11/20 17:38 |
| -        | 41    | 385/125.ccls. and (paticulate particles particle atomic)   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2001/11/20 17:39 |
| -        | 17    | radiant adj pressure   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2001/11/20 18:37 |
| -        | 6     | 5170890.URPN.  | USPAT   | 2001/11/21 10:52 |
| -        | 9     | ("3710279"   "3778612"   "3808550"   "4025787"   "4115078"   "4327288"   "4366379"   "4887721"   "4893886").PN.                  | USPAT   | 2001/11/21 11:27 |
| -        | 334   | (trap entrap trapping) with (particle particles molecule molecules) with (beam laser)  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2001/11/21 13:26 |

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| - | 34   | ((trap entrap trapping) with (particle particles molecule molecules) with (beam laser)) and (optical near fiber\$1)  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2001/11/21<br>13:30 |
| - | 1341 | (427/553-555).CCLS.  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2001/11/21<br>16:56 |
| - | 0    | ((427/553-555).CCLS.) and (hollow with (optic optical))  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2001/11/21<br>17:03 |
| - | 482  | ((427/553-555).CCLS.) and (optic optical)  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2001/11/21<br>16:57 |
| - | 34   | ((427/553-555).CCLS.) and ((particle particles molecule molecules) with (guide guided guiding transport transfer transporting transferring transported))   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2001/11/21<br>16:58 |
| - | 2    | ((427/553-555).CCLS.) and (hollow near (fiber fibers fibre fibres))  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2001/11/21<br>17:03 |
| - | 0    | 6251488.URPN.  | USPAT   | 2001/11/21<br>17:04 |
| - | 12   | ("4269868"   "4323756"   "4947463"   "5043548"   "5182430"   "5208431"   "5378508"   "5449536"   "5486676"   "5607730"   "5612099"   "5733609").PN.  | USPAT   | 2001/11/21<br>17:10 |
| - | 0    | ("4269868"   "4323756"   "4947463"   "5043548"   "5182430"   "5208431"   "5378508"   "5449536"   "5486676"   "5607730"   "5612099"   "5733609").PN.) and (hollow near (fiber fibre fibers fibres)) | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2001/11/21<br>17:11 |
| - | 9    | ("4269868"   "4323756"   "4947463"   "5043548"   "5182430"   "5208431"   "5378508"   "5449536"   "5486676"   "5607730"   "5612099"   "5733609").PN.) and (optic\$2)                                | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2001/11/21<br>17:11 |
| - | 0    | laser with guide\$1 with (particle\$1 drop\$4) same (hollow near fiber)  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2001/11/21<br>17:45 |
| - | 0    | (laser with guide\$1 with (particle\$1 drop\$4)) same (hollow near fiber)  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2001/11/21<br>17:46 |
| - | 4    | (laser with (particle\$1 drop\$4)) same (hollow near fiber)  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2001/11/21<br>17:46 |
| - | 2046 | (385/125,147;425/553-555).CCLS.  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/02/28<br>13:37 |
| - | 4867 | laser near (guide\$1 guiding guidance)   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/02/27<br>16:38 |

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| - | 36   | ((385/125,147;425/553-555).CCLS.) and<br>(laser near (guide\$1 guiding guidance))  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/02/27<br>16:15 |
| - | 853  | (particle\$1) near (guide\$1 guiding<br>guidance)  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/02/27<br>16:27 |
| - | 12   | ((particle\$1) near (guide\$1 guiding<br>guidance)) with laser   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/02/27<br>16:28 |
| - | 88   | (laser near4 (guide\$1 guiding guidance))<br>with (particle\$1)  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/02/27<br>16:40 |
| - | 78   | ((laser near4 (guide\$1 guiding guidance))<br>with (particle\$1)) not<br>(((385/125,147;425/553-555).CCLS.) and<br>(laser near (guide\$1 guiding guidance)))<br>(((particle\$1) near (guide\$1 guiding<br>guidance)) with laser))  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/02/27<br>16:44 |
| - | 9    | ((laser near4 (guide\$1 guiding<br>guidance)) with (particle\$1)) not<br>(((385/125,147;425/553-555).CCLS.) and<br>(laser near (guide\$1 guiding guidance)))<br>(((particle\$1) near (guide\$1 guiding<br>guidance)) with laser))) and (hollow with<br>(cylinder tube pipe fiber conductor))   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/02/27<br>16:49 |
| - | 69   | ((laser near4 (guide\$1 guiding<br>guidance)) with (particle\$1)) not<br>(((385/125,147;425/553-555).CCLS.) and<br>(laser near (guide\$1 guiding guidance)))<br>(((particle\$1) near (guide\$1 guiding<br>guidance)) with laser))) not (((laser<br>near4 (guide\$1 guiding guidance)) with<br>(particle\$1)) not<br>(((385/125,147;425/553-555).CCLS.) and<br>(laser near (guide\$1 guiding guidance)))<br>(((particle\$1) near (guide\$1 guiding<br>guidance)) with laser))) and (hollow with<br>(cylinder tube pipe fiber conductor))) | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/02/27<br>17:05 |
| - | 44   | (particle\$1 with (trap traps trapped<br>confined confines confine) with (within<br>by in) with (laser beams)) and (laser<br>near beam)  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/02/28<br>15:07 |
| - | 1    | 5993549.pn.  | USPAT   | 2003/02/28<br>16:51 |
| - | 11   | optomec.as.  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/02/28<br>17:16 |
| - | 3333 | dmd dmds dwe   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/02/28<br>17:23 |
| - | 151  | (dmd dmds dwe) and (optical adj fiber\$1)<br>and (laser\$1)  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/02/28<br>17:24 |

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| - | 72      | (trap trapped traps trapping confined<br>confines confining confine guide guides<br>guided guiding) and ((dmd dmds dwe) and<br>(optical adj fiber\$1) and (laser\$1)) | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB<br>USPAT  | 2003/03/03<br>09:54 |
| - | 12      | ("4269868"   "4323756"   "4947463"  <br>"5043548"   "5182430"   "5208431"  <br>"5378508"   "5449536"   "5486676"  <br>"5607730"   "5612099"   "5733609").PN.          | USPAT   | 2003/04/23<br>09:52 |
| - | 98      | renn.in.  | USPAT   | 2003/04/23<br>10:02 |
| - | 0       | renn.in. and (laser with (trap\$4 guid\$4))   | USPAT   | 2003/04/23<br>10:03 |
| - | 5       | renn.in. and (laser)  | USPAT   | 2003/04/23<br>10:06 |
| - | 1       | renn.in. and (optic\$2 with (trap\$4<br>guid\$4))   | USPAT   | 2003/04/23<br>10:19 |
| - | 27      | "3808550"   | USPAT   | 2003/04/23<br>10:07 |
| - | 1       | ("3808550").PN.   | USPAT   | 2003/04/23<br>10:08 |
| - | 1       | ("4887721").PN.   | USPAT   | 2003/04/23<br>10:09 |
| - | 6       | ("2091545").PN.   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB<br>USPAT; | 2003/04/23<br>10:10 |
| - | 0       | ("3-223645").PN.  | US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB<br>USPAT;           | 2003/04/23<br>10:10 |
| - | 1       | ("3223645").PN.   | US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB<br>USPAT;           | 2003/04/23<br>10:11 |
| - | 0       | ("4003223645").PN.  | US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB<br>USPAT;           | 2003/04/23<br>10:11 |
| - | 0       | ("4103223645").PN.  | US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB<br>USPAT;           | 2003/04/23<br>10:12 |
| - | 0       | ("4103223645a").PN.   | US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB<br>USPAT;           | 2003/04/23<br>10:12 |
| - | 0       | ("4003223645a").PN.   | US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB<br>USPAT;           | 2003/04/23<br>10:12 |
| - | 6606564 | \$3223645\$.pn.   | US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB<br>USPAT;           | 2003/04/23<br>10:14 |
| - | 6388017 | \$3223645.pn. and jp  | US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB<br>USPAT;           | 2003/04/23<br>10:16 |

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| - | 27    | photophoresis.ab.   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/04/23<br>10:16 |
| - | 16738 | (optic\$2 with (trap\$4 guid\$4)) and laser   | USPAT   | 2003/04/23<br>10:20 |
| - | 4093  | (optic\$4 near (trap\$4 guid\$4)) and laser   | USPAT   | 2003/04/23<br>11:16 |
| - | 1     | "arthur ashkin".in.   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/04/23<br>11:09 |
| - | 26    | ashkin.in. and arthur.in.   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/04/23<br>11:09 |
| - | 24    | 3808550.URPN.   | USPAT   | 2003/04/23<br>11:11 |
| - | 2382  | ((optic\$4 near (trap\$4 guid\$4)) and<br>laser) and (optic\$2 near (fiber\$1<br>fibre\$1)) | USPAT   | 2003/04/23<br>12:36 |
| - | 38546 | powder with size  | USPAT   | 2003/04/23<br>12:37 |
| - | 2243  | powder with size with coating   | USPAT   | 2003/04/23<br>12:39 |